

METHYL ISOBUTYL KETONE



GENERAL

MIBK is a clear, colorless volatile liquid with odor and insoluble in water. It is used for a solvent applications as well as an ingredient of chemical reactions. MIBK is produced from acetone and hydrogen with a catalyst.

IUPAC name : 4-Methyl-2-pentanone

Synonyms : Isopropylacetone, Hexone, Isobutyl Methyl Ketone,

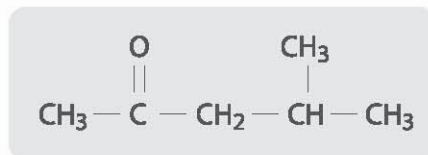
Isopropylacetone, 4-Methylpentan-2-one

Molecular formula : C₆H₁₂O

CAS number : 108-10-1

EINECS/ELINCS number : 203-550-1

Package : 160 kg, 165kg / 200 l steel drum, bulk



SALES SPECIFICATION

Appearance	Clear liquid
Purity, wt. %	99.5 Max.
Color, Pt/Co	10 Max.
Density @ 20 °C, g/ml	0.799 ~ 0.802
Water content, wt. %	0.1 Max.
Distillation range, °C	
- IBP	114.0 Min.
- DP	117.0 Max.
Acidity as acetic acid, wt%	0.002 Max.

USES

MIBK is mainly used for solvent of nitrocelluloses, gums, lacquer and recovery of used Uranium. It is also used in the pharmaceutical and electroplate industry. Recently, in addition, MIBK is applied to the semiconductor industry.



TYPICAL PROPERTIES

Molecular weight	100.16
Appearance	Clear liquid
Odor	Characteristic
Boiling point, °C	117
Melting point, °C	-84
Flash point, °C	18
Autoignition temperature, °C	460
Vapour pressure @ 20°C, mmHg	16

Vapour density @ 20 °C (air = 1)	3.5
Explosive limits by vol. %	(Lower) 1.4%
	(Upper) 7.5%
Specific gravity (H ₂ O = 1)	0.8
Solubility in water, %	1.91